Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

Date.....2019

No: **1st and Part Bill**

Division: **Project** Sub-Division: **Project**

Bill Received No. Dated Divisional / Sub Divisional Cash Book Voucher No..... Dated.....

Work Code: 005-18-000021,005-18-000018,005-18-000036 ,005-18-000034,005-18-000032,005-18-000030, 005-18-000028 & 005-18-000029

Schedule Docket No. Head of Account: **P3112(Swacha Bharath Abhiyana)** Est.Cost: **295.00 Lakhs**

Name of Work: **Package-11** 1. Improvement of roads and drain at jakkur lake back side roads in ward no 05 byatarayanapura sub division 2. Providing street lights in ward no 05 surrounding areas byatarayanapura sub division 3. Improvement of roads and drain at royal enclave in ward no 05 byatarayanapura sub division 4. Improvement of roads and drain at srirampura railway parlel road to jakkur railway gate in ward no 05 byatarayanapura sub division 5. Improvement of roads and drain at srirampura cross road in ward no 05 byatarayanapura sub division 6. Improvement of roads and drain at bellahalli surrounding area in ward no 05 byatarayanapura sub division 7. Development of roads and drain at shivaramakaranthanagara 2nd stage cross roads in ward no 05 byatarayanapura sub division 8. Improvement of roads and drain at jakkur cross roads in ward no 05 byatarayanapura sub division

Name of Contractor and Full Address: **Sri.N.M.Krishnamurthy**

Reference to *Agreement* No: **233/2017-18** Date: **26-03-2018**

Reference to *Work order* No:**EE(Project)/Ynk Zone/WO/233/2017-18** Date: **26-03-2018**

Certified that the measurements were taken by me on 20/02/19 and recorded of Pages 222102 to 222109 of measurement Book No.12/2018-19 and that the work is satisfactorily executed.

Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on 20/2/19 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	Total Rs: 2.13,24,613-00
2)	Deduct amount to be held in reserve being .....percent Rs.....	
3)	" Balance	
4)	Deduct Payment:	
a)	Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... towards cash advance recovery of	Amount adjusted IT - 213246-00 CM - 213246-00 CBF - 21325-00 LR - 517521-00 CGST - 190398-00 SGST - 190398-00
b)	Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	unadjustments items. ADJU. 13,46,134-00
7)	Net amount due to or from Contractor	Cheque: 1.99.78,479-00
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	Total amount adjusted -

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

Audited & Admitted for Rs.....
Rs: 2.13,24,613-00.
(For use in the Office)

Witness
1.
2.

Stamp

Rs: 13,46,134-00 by Cheque
and Rs. 1.99.78,479-00 by adjustment

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Accts. Supdt.
Project Division
B.B.M.P.

Executive Engineer
Exe. Engineer
Project Division
B.B.M.P

Item No	Description of Item of Work	Unit	BOQ Qty
1	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2	Sqm	8400.00
2	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5	Sqm	24707.96
3	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification	**Cum**	1788.36
4	Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications	**Cum**	2208.76
5	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305	**Cum**	1236.25
6	KSRRB M400-6.1. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method. - For Grading II Materiall	**Cum**	929.25
7	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications	**Cum**	2383.63
8	Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications	**Sqm**	10977.04
9	Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications	**Sqm**	41880.00

Previous Measurement		Present Measurement			Total Up do date		Remarks
Qty	Amount	Qty	Rate	Amount	Qty	Amount	
0.00	0.00	8400.00	7.39	62076.00	8400.00	62076.00	
0.00	0.00	10650.37	3.70	39406.37	10650.37	39406.37	
0.00	0.00	1786.71	217.20	388073.41	1786.71	388073.41	
0.00	0.00	2208.70	180.30	398228.61	2208.70	398228.61	
0.00	0.00	1233.66	371.98	458896.85	1233.66	458896.85	
0.00	0.00	922.32	1935.03	1784716.87	922.32	1784716.87	
0.00	0.00	2383.44	2054.51	4896801.31	2383.44	4896801.31	
0.00	0.00	8909.02	32.02	285266.82	8909.02	285266.82	
0.00	0.00	20986.53	13.55	284367.48	20986.53	284367.48	

Item No	Description of Item of Work	Unit	BOQ Qty
10	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	**Cum**	309.75
11	Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications	**Cum**	1314.90
12	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications	**Sqm**	1251.50
13	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications	**Cum**	459.53
14	Providing laying plain/ reinforced cement concrete M20 Grade for Box Drain walls of thickness 10cm to 20cm including centering shuttering for work etc. complete as per approved drawing and design MORTH specification No. 1500, 1700, 2200. (P.No.265, I.No.37.59.2 of PW, P&IWTD SR 2016-17)	**Cum**	30.92
15	KSRB - 4.9.2: Providing TMT steel reinforcement Fe500 for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3.	**Tonne**	1.55
16	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge	**Sqm**	81.00

Previous Measurement		Present Measurement			Total Up do date		Remarks
Qty	Amount	Qty	Rate	Amount	Qty	Amount	
0.00	0.00	156.64	7302.87	1143921.56	156.64	1143921.56	
0.00	0.00	716.49	8231.58	5897844.75	716.49	5897844.75	
0.00	0.00	804.20	630.64	507160.69	804.20	507160.69	
0.00	0.00	160.30	6215.26	996306.18	160.30	996306.18	
0.00	0.00	30.65	12819.74	392925.03	30.65	392925.03	
0.00	0.00	1.54	74650.85	114962.31	1.54	114962.31	
0.00	0.00	66.53	2440.20	162346.51	66.53	162346.51	

Item No	Description of Item of Work	Unit	BOQ Qty
17	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum	**Cum**	296.45
18	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift	**Sqm**	2964.50
19	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry. cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications.-do- II. By Mechanical Means. A. Cement Concrete Grade M-15 & M-20.	**Cum**	104.00
20	Supplying High pressure sodium vapour street light luminaire 250wsuitable for use with high pressure sodium vapour lamp with integrated control gear and grey colr powder coated. The fitting shall be non corrosive pressure die cast aluminium housing with high purity anodized aluminium housing with EPDM Gaskets suitable for Outer Dia of pole 40 mm -60 mm. Cable entry through a cable gland with toggle clips. IP65 protection for both optical & electrical compartment. Bottom cover may be with poly carbonate/tempered/ toughened glass.Luminaire efficiency should be > 60 % and ambient temperature >35 deg C. High Intensity Discharge electro magnetic ballast with copper winding of Orthocyclic winding coil. Class H insulated dual coated copper wire. Complaince to IEC 61347-2-9 Safety & IEC 60923-Performance. Winding Temperature rise "Tw-130deg C & temperature sise T=70 deg C. Luminaire shall be suitable to operate on 230/250 V 50 Hz AC supply finish including wiring , Ignitor, condenser, SS Toggles for opening front hingeable glass 250 Wattsa) Group 'A'	**Each**	250.00
21	Supplying & fixing of 32 mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. Using 32mm dia G.I pipe	**Each**	250.00

Previous Measurement		Present Measurement			Total Up do date		Remarks
Qty	Amount	Qty	Rate	Amount	Qty	Amount	
0.00	0.00	147.00	7225.27	1062114.69	147.00	1062114.69	
0.00	0.00	1153.98	110.85	127918.68	1153.98	127918.68	
0.00	0.00	102.41	560.61	57412.07	102.41	57412.07	
0.00	0.00	250.00	8017.80	2004450.00	250.00	2004450.00	
0.00	0.00	250.00	1037.67	259417.50	250.00	259417.50	

Item No	Description of Item of Work	Unit	BOQ Qty
22	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A2 X 25 + 1 X 25 SQ.MM	**Per Mtr**	1000.00
23	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR	**Per Mtr**	1000.00
24	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.200mmx200mmx98mm	**Nos**	41.00
25	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat… with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	**Mtrs**	25.00
26	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps25kA.	**Nos**	42.00
27	Supplying and stringing of ACSR Conductor (6/2.59mm Al +1/2.59mm Steel).	**Mtrs**	3000.00
28	Supplying and Fixing …..including all Hardware's etc. complete as per the standard technical specification of BESCOM. A)1.1 KV Pin Insulator	**Nos**	80.00
29	No. 8 Strain Insulator	**Nos**	40.00
30	Supplying and Fixing ….. including all Hardware's etc. complete as per the standard technical specification of BESCOM. RCC Clamp	**Nos**	99.00
31	Supply and fixing of …….cross arm including all Hardware's complete as per the standard technical specification of BESCOM. 2 Pin 45x45x5mm - 510mm	**Nos**	99.00

Certificate:

1 Certified that the contractor has done the work satisfactorly
2 Certified that the debris has been removed from the site
3 Certified that the No dues from the contractor
4 Certified that the above item of the work were not claimed in any other bill

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Previous Measurement		Present Measurement			Total Up do date		Remarks
Qty	Amount	Qty	Rate	Amount	Qty	Amount	
0.00	0.00		166.17		0.00	0.00	
0.00	0.00		11.97		0.00	0.00	
0.00	0.00		2530.84		0.00	0.00	
0.00	0.00		305.61		0.00	0.00	
0.00	0.00		4699.13		0.00	0.00	
0.00	0.00		34.86		0.00	0.00	
0.00	0.00		51.13		0.00	0.00	
0.00	0.00		16.27		0.00	0.00	
0.00	0.00		97.61		0.00	0.00	
0.00	0.00		355.57		0.00	0.00	
	0.00			**21324613.69**		**21324613.69**	

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore